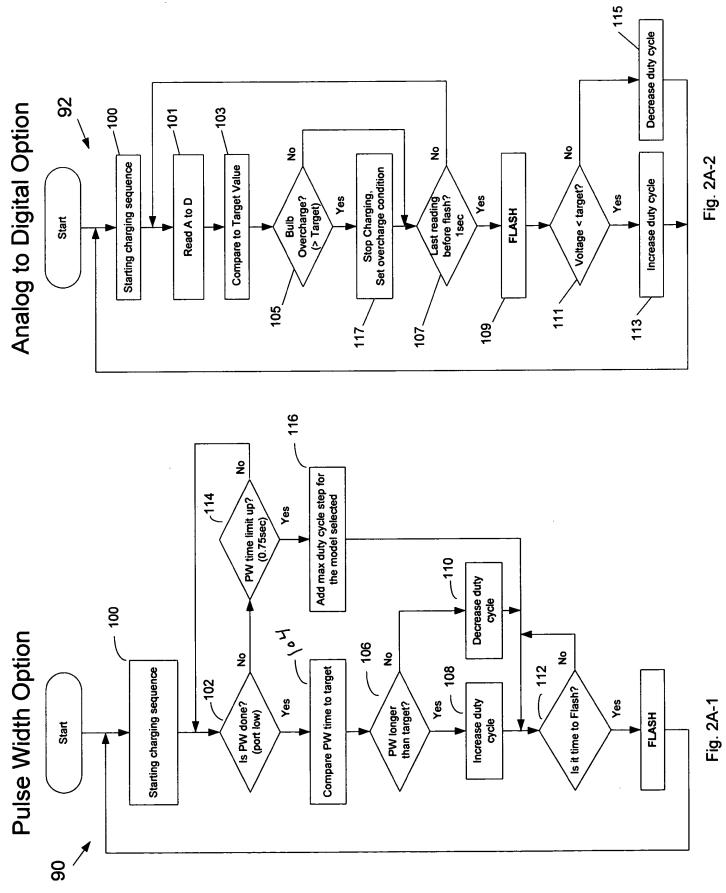


CONTROLPROCESS



 $\gamma^{\frac{1}{2}}$

Fig. 2B

Detail Operation Of Candela Searching

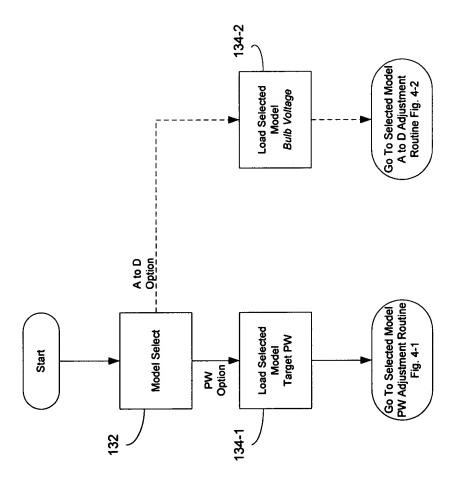


Fig. 3

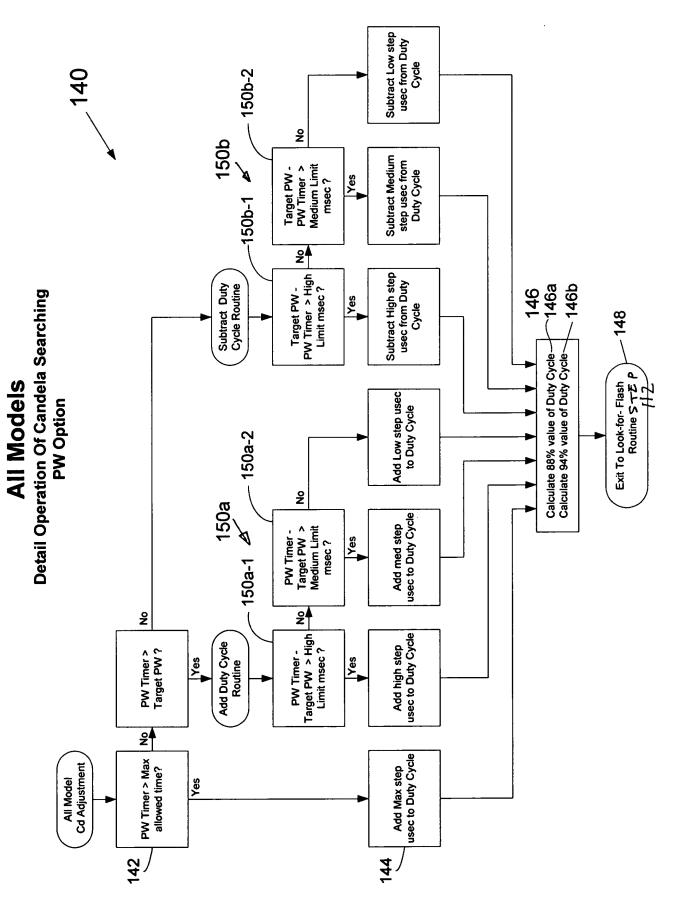
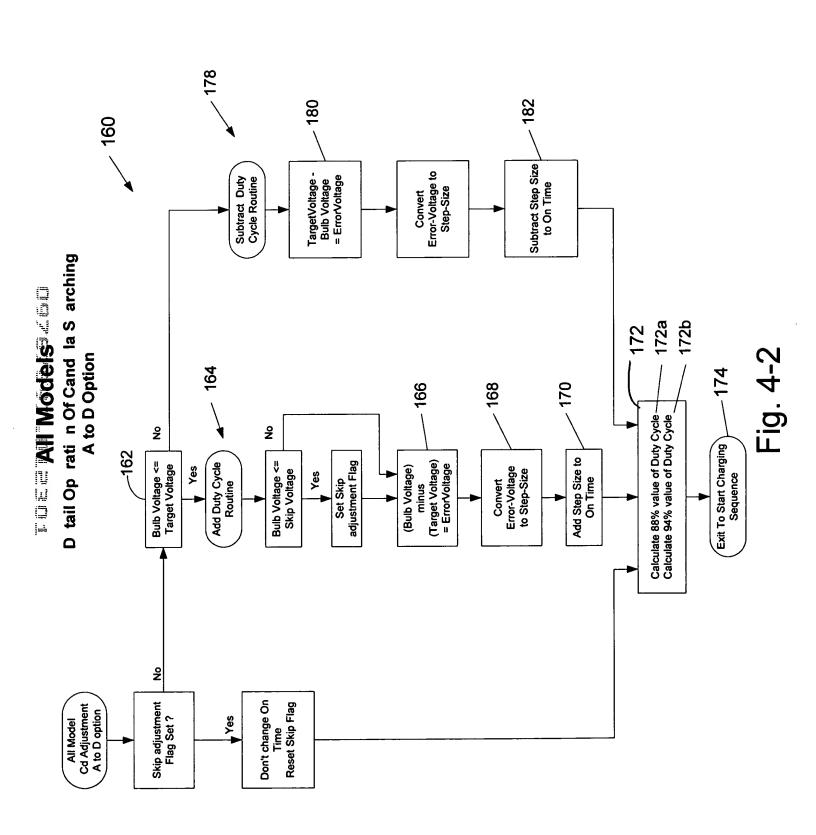


Fig. 4-1



Candela Target Searching Timing Diagrams 1 second Flash T4 = T3for raising bulb voltage to target Pulse width = Target Correction Fig. 5-2 Pulse Width Tracking T3 = T2+Correction #2 1 second Flash Fig. 5-1 Bulb Voltage Target Pulse Width Error -52 ~50 T2 = T1+Correction #1 1 second Flash Pulse width detection voltage point Pulse width over 0.75 second cutoff Max error Target Bulb Voltage Target Pulse Width (ms) T1(uS) DC Volts

Pulse Width Option:

Fig. 5-3 Charging Driver Signal note: wave form expanded to show detail

Candela Target Searching Timing Diagrams second Flash T4 = T3for lowering bulb voltage to target Pulse width = Target Pulse Width Option: Fig. 6-2 Pulse Width Tracking Correction#2 Fig. 6-1 Bulb Voltage T3 = T2-Correction #2 Error Target Pulse Width Correction#1 **Pulse Width** 1 second Flash T2 = T1-Correction Pulse width detection voltage point Target Pulse Width (ms) Error Target Bulb Voltage T1(uS) T1 PW(ms) DC Volts

Fig. 6-3 Charging Driver Signal note: wave form expanded to show detail

Candela Target Searching Timing Diagrams for raising bulb voltage to target Analog to Digital option:

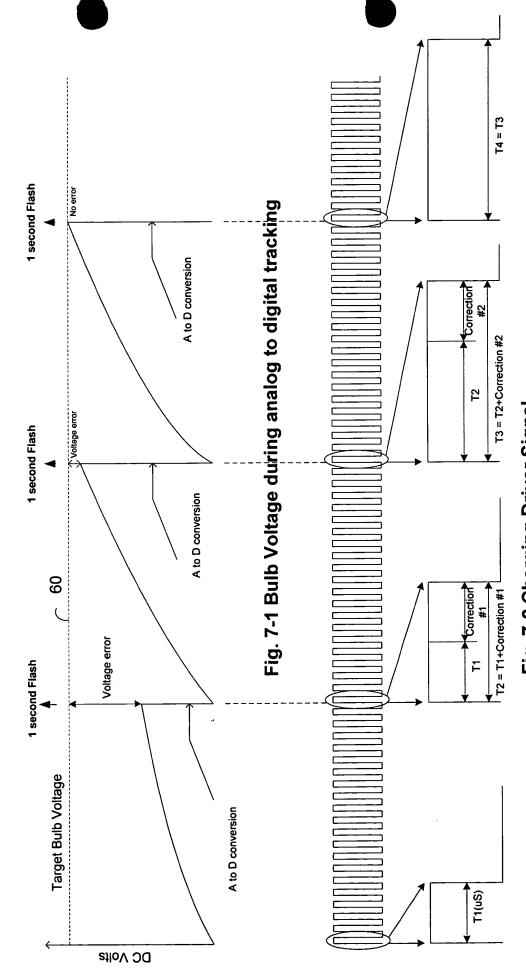


Fig. 7-2 Charging Driver Signal note: wave form expanded to show detail

Candela Target Searching Timing Diagrams for lowering bulb voltage to target Analog to Digital Option:

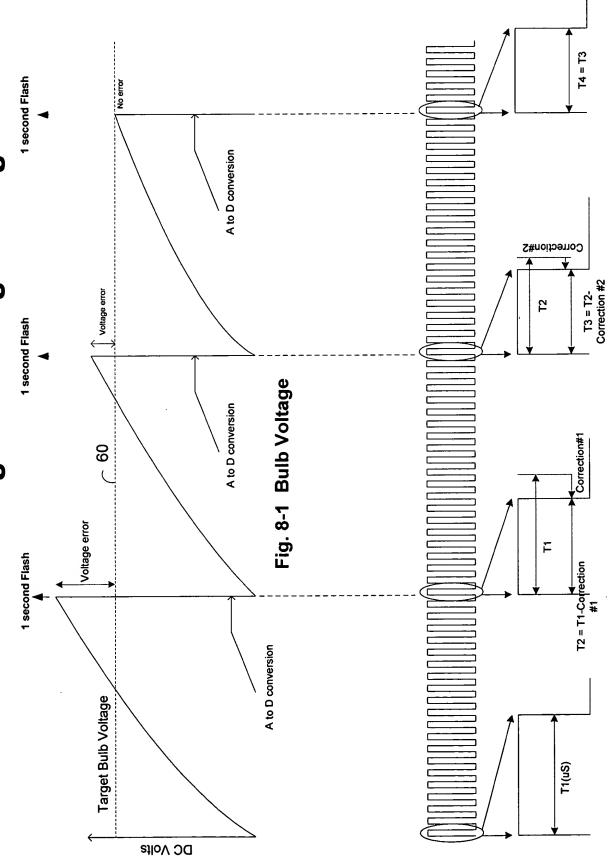


Fig. 8-2 Charging Driver Signal note: wave form expanded to show detail

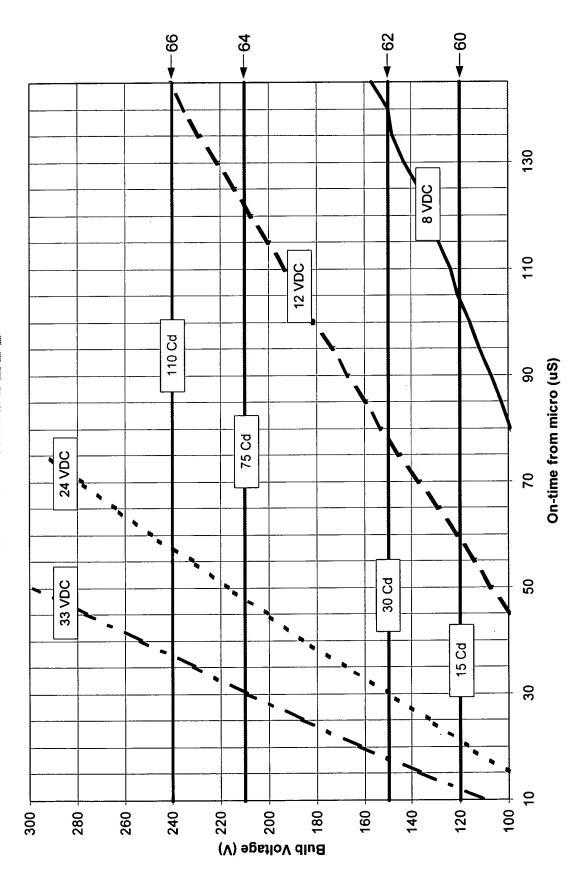


Fig 9. MultiCandela Bulb Voltage vs On-time for different input voltage

Inrush Control And Candela Searching Multi Candela Fiming Reference For

